

Kaveri Layout									
Kaveri Layout 3rd Main Road LHS									
Kaveri Layout 3rd Main, 3rd ross Road LHS	1	116	0.9	0.15	15.66				
Kaveri Layout 3rd Main, 4th ross Road RHS	1	175	0.9	0.15	23.63				
Kaveri Layout 4th Main Road LHS	1	167	0.9	0.15	22.55				
Kaveri Layout 4th Main Road RHS, 4th cross Road	2	110	0.9	0.15	29.70				
Kaveri Layout 4th Main Road RHS, 5th cross Road	1	26	0.9	0.15	3.51				
Bettahalli Layout	1	26	0.9	0.15	3.51				
Bettahalli Layout Entrance	2	76	0.9	0.15	20.65				
RCC Drain wall	1	40	0.9	0.15	5.40				
Kaveri Layout									
Kaveri Layout 3rd Main Road LHS									
Kaveri Layout 3rd Main, 3rd ross Road LHS	2	116	0.15	0.55	19.14				
Kaveri Layout 3rd Main, 4th ross Road RHS	2	175	0.15	0.55	28.88				
Kaveri Layout 4th Main Road LHS	2	167	0.15	0.55	27.56				
Kaveri Layout 4th Main Road RHS, 4th cross Road	4	110	0.15	0.55	36.30				
Kaveri Layout 4th Main Road RHS, 5th cross Road	2	26	0.15	0.55	17.62				
Bettahalli Layout	2	26	0.15	0.55	4.29				
Bettahalli Layout Entrance	4	76	0.15	0.55	25.24				
	2	40	0.15	0.55	6.60				
Culvert									
Raft	8	5.5	1.2	0.2	10.56				
wall	8x2	5.5	0.2	0.7	12.00				
					Cum	312.78	7070.2	2211397	
Basic Rate	6670								
Area Weightage @ 6%	400.2			For Steel calculation	22.56	Culvert			
Total	7070.2				290.22	Drain			
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specificatio (I No-28.8.2,P No-229)									
					Tonne				
All Culverts and Drains included	80	22.56			1814.78				
80kg/Cum for Culvert	55	290.22			15988.18				
55kg/Cum For Drain									
					Tonne	17.80	72326.98	1287634	
Basic Rate	68233								
Area Weightage @ 6%	4093.98								
Total	72326.98								
Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of all materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete. (Data Rate)									
					Sqm				
RCC Drain	1	116	0.9		104.40				
Kaveri Layout 3rd Main Road LHS	1	175	0.9		157.50				
Kaveri Layout 3rd Main, 3rd ross Road LHS	1	167	0.9		150.30				
Kaveri Layout 3rd Main, 4th ross Road RHS	2	110	0.9		198.00				
Kaveri Layout 4th Main Road LHS	1	26	0.75		19.84				
Kaveri Layout 4th Main Road RHS, 4th cross Road	1	26	0.75		19.84				
Kaveri Layout 4th Main Road RHS, 5th cross Road									



Bettahalli Layout		Bettahalli Layout Entrance					
		2	77	0.9	138.47		
		1	40	0.75	30.34		
Data Rate		2337		Sqm	818.68	2337	1913251
6	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and Jelly 20mm Down size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete As per Engineer incharge						
Kaveri Layout Culvert		Sqm					
		8	5.5	1.8	79.2		
Data Rate		5418		Sqm	79.20	5418	429106
7	KSRRB M300-13. Excavation for roadway in hard rock (requiring blasting) by drilling, blasting and breaking, trimming of bottom and side slopes in accordance with requirements of lines, grades and cross sections, loading and stacking at site of cut road with a lead of 1.00 km and complete as per specifications. (Excavated rock credited to contractor)						
MORTH Specification No. 301							
Road cutting portion		Cum					
Girdhama nagar Layout							
Girdhama nagar Main Road		2	420	1	0.45	378.00	
Drain Desilt							
Girdhama nagar Layout							
Cross Road(Near RO Plant)		2	119	0.5	0.3	35.70	
Girdhama nagar Layout main road(LHS and RHS)							
Cross Road -1 (LHS)		2	90	0.5	0.3	27.00	
Cross Road -2 (LHS)		2	90	0.5	0.3	27.00	
Cross Road -3 (LHS)		2	90	0.5	0.3	27.00	
Cross Road -4 (LHS)		2	90	0.5	0.3	27.00	
Cross Road -5 (LHS)		2	60	0.5	0.3	18.00	
Doddabettahalli Badavane main road		2	420	0.5	0.3	126.00	
Entry Road Narayana Gowda and Doddabettahalli layout combined		2	55	0.5	0.3	16.50	
Vivekananda Layout							
Vivekananda Layout Main road		2	170	0.5	0.3	51.00	
Vivekananda Layout 1st cross road		2	40	0.5	0.3	12.00	
Vivekananda Layout 2nd cross road		2	30	0.5	0.3	9.00	
New Road							
Cross Road(Near RO Plant)		1	119	5	0.45	267.75	
Girdhama nagar Layout-Cross road-2 sub cross road-2		1	55	3.75	0.45	92.81	
		Cum				1114.76	56.26 62717
Basic Rate		41					
Area Weightage @ 6%		2.46					
5Km lead=(2*1 28*5)		12.8					
Total		56.26					
8	KSRRB 300-50 Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3(P.No 146, I No 19 56)						
		Sqm					
Reconstruction							
Girdhama nagar RO Plant Road (After girdhama nagar main road)		1	90	5		450.00	
Girdhama nagar Layout main road(LHS and RHS)		1	90	4.5		405.00	
Cross Road -1 (LHS)		1	90	4.5		405.00	
Cross Road -2 (LHS)		1	90	5		450.00	
Cross Road -3 (LHS)		1	90	4.5		405.00	
Cross Road -4 (LHS)		1	80	4.5		270.00	
Cross Road -5 (LHS)		1	80	5		400.00	
Cross Road -1 (RHS)							



Cross road-2 (RHS)		1	100	5		500.00		
sub cross road-1		1	40	3.75		150.00		
Doddabettahalli Badavane main road		1	420	5		2100.00		
Entry Road Narayana Gowda and Doddabettahalli layout combined		1	55	5		275.00		
Vivekananda Layout								
Vivekananda Layout Main road		1	170	4		680.00		
Vivekananda Layout 1st cross road		1	40	3.5		140.00		
Vivekananda Layout 2nd cross road		1	30	3.5		105.00		
Basic Rate	39				Sqm	6735.00	41.34	278425
Area Weightage @ 6%	2.34							
Total	41.34							

9 KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM complete as per specifications (I No-19 64, P No-147)

New Road					Sqm			
Cross Road(Near RO Plant)		1	119	5		595.00		
Girdhama nagar Layout-Cross road-2		1	55	3.75		206.25		
sub cross road-2								
Reconstruction								
Girdhama nagar RO Plant Road (After girdhama nagar main road)		1	90	5		450.00		
Girdhama nagar Layout main road(LHS and RHS)								
Cross Road -1 (LHS)		1	90	4.5		405.00		
Cross Road -2 (LHS)		1	90	4.5		405.00		
Cross Road -3 (LHS)		1	90	5		450.00		
Cross Road -4 (LHS)		1	90	4.5		405.00		
Cross Road -5 (LHS)		1	60	4.5		270.00		
Cross Road -1 (RHS)		1	80	5		400.00		
Cross road-2 (RHS)		1	100	5		500.00		
sub cross road-1		1	40	3.75		150.00		
Doddabettahalli Badavane main road		1	420	5		2100.00		
Entry Road Narayana Gowda and Doddabettahalli layout combined		1	55	5		275.00		
Vivekananda Layout								
Vivekananda Layout Main road		1	170	4		680.00		
Vivekananda Layout 1st cross road		1	40	3.5		140.00		
Vivekananda Layout 2nd cross road		1	30	3.5		105.00		
					Sqm	7536.25	8.34	62852
Basic Rate	6							
Area Weightage @ 6%	2.34							
Total	8.34							

10 Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision. (I No-20 5, P No-153)

New Roads					Cum			
Cross Road(Near RO Plant)		1	119	5	0.15	89.25		
sub cross road-2		1	55	3.75	0.15	30.94		
					Cum	120.19	1994.92	239764
Basic Rate	1882							
Area Weightage @ 6%	112.92							
Total	1994.92							

11 KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carrying mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20. 1970)

					Cum			
--	--	--	--	--	-----	--	--	--



Road cutting portion								
Girdhama nagar Layout								
Girdhama nagar Main Road								
New Roads	2	420	1	0.23	193.20			
Cross Road(Near RO Plant)								
(RHS)	1	119	5	0.23	136.85			
sub cross road-2	1	55	3.75	0.23	47.44			
Reconstruction								
Girdhama nagar RO Plant Road (After girdhama nagar main road)	1	90	5	0.23	103.50			
Girdhama nagar Layout main road(LHS and RHS)								
Cross Road -1 (LHS)	1	90	4.5	0.23	93.15			
Cross Road -2 (LHS)	1	90	4.5	0.23	93.15			
Cross Road -3 (LHS)	1	90	5	0.23	103.50			
Cross Road -4 (LHS)	1	90	4.5	0.23	93.15			
Cross Road -5 (LHS)	1	60	4.5	0.23	62.10			
Cross Road -1 (RHS)	1	80	5	0.23	92.00			
Cross road-2 (RHS)	1	100	5	0.23	115.00			
sub cross road-1	1	40	3.75	0.23	34.50			
Doddabettahalli Badavane main road	1	420	5	0.23	483.00			
Entry Road Narayana Gowda and Doddabettahalli layout combined	1	55	5	0.23	63.25			
Vivekananda Layout								
Vivekananda Layout Main road	1	170	4	0.23	156.40			
Vivekananda Layout 1st cross road	1	40	3.5	0.23	32.20			
Vivekananda Layout 2nd cross road	1	30	3.5	0.23	24.15			
Profile correction and restoration od road (15% of the total length of road)	1	46	6	0.23	63.34			
				Cum	1989.88	2001.28	3982306	
Basic Rate	1888							
Area Weightage @ 6%	113.28							
Total	2001.28							

- 12 KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)

					Sqm			
Roads								
Road cutting portion								
Girdhama nagar Layout								
Girdhama nagar Main Road	2	420	1		840.00			
Reconstruction								
Girdhama nagar RO Plant Road (After girdhama nagar main road)	1	90	5		450.00			
Doddabettahalli Badavane main road	1	420	5		2100.00			
Profile correction and restoration road (15% of the total length of road)	1	46	6		275.40			
					Sqm	3665.40	33.92	124330
Basic Rate	32							
Area Weightage @ 6%	1.92							
Total	33.92							

- 13 KSRRB 500-11. Providing and laying bituminous macadam on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including loading of aggregates with F.E loader, Hot mixing of Stone aggregates and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve desired density, but excluding cost of primer/Tack coat including lead, lift and cost of all materials, labour HOM of machinaries complete as per Specifications, MORTH Ch 5. using 40/60 TPH capacity HMP with Mechanical paver Gr-II (50mm - 75mm) with 3.4% VG-30 bitumen (P.No-159,I No-21.11.6)

					Cum			
Roads								



Giridhama nagar Layout		Palike						
Giridhama nagar Main Road								
Reconstruction		2	420	1	0.05	42.00		
Giridhama nagar RO Plant Road (After giridhama nagar main road)								
Doddabettahalli Badavane main road		1	90	5	0.05	22.50		
Profile correction and restoration road (15% of the total length of road)		1	420	5	0.05	105.00		
		1	46	6	0.05	13.77		
Basic Rate	7008				Cum	183.27	7428.48	1361418
Area Weightage @ 6%	420.48							
Total	7428.48							

	KSRRB M500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags
14	and compressed air to receive bituminous treatment including cost of all materials, labours, HOM complete as per specifications. P No. 158/ Item No. 21.2/ PWD SR 2018-19

			Sqm					
Gindhama nagar Main Road		2	420	1		840.00		
Basic Rate	5				Sqm	840.00	5.3	4452
Area Weightage @ 6%	0.3							
Total	5.3							

15 KSRRB M500-10. Tack Coat - Providing and applying tack coat using 80/100 grade bitumen (VG 10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mechanical broom, complete as per specifications. MORTH Specification No. 503 (P-159, Item no 21.10).

		Sqm					
Giridhama nagar Layout							
Giridhama nagar Main Road	1	420	7		2940.00		
Giridhama nagar RO Plant Road (After giridhama nagar main road)	1	90	5		450.00		
Cross Road(Near RO Plant)	1	115	5		575.00		
Giridhama nagar Layout main road(LHS and RHS)							
Cross Road -1 (LHS)	1	90	4.5		405.00		
Cross Road -2 (LHS)	1	90	4.5		405.00		
Cross Road -3 (LHS)	1	90	5		450.00		
Cross Road -4 (LHS)	1	90	4.5		405.00		
Cross Road -5 (LHS)	1	60	4.5		270.00		
Cross Road -1 (RHS)	1	80	5		400.00		
Cross road-2 (RHS)	1	100	5		500.00		
sub cross road-1	1	40	3.75		150.00		
sub cross road-2	1	55	3.75		206.25		
Doddabettahalli Badavane main road	1	420	5		2100.00		
Entry Road Narayana Gowda and Doddabettahalli layout combined	1	55	5		275.00		
Vivekananda Layout	1	170	4		680.00		
Vivekananda Layout Main road	1	40	3.5		140.00		
Vivekananda Layout 1st cross road	1	30	3.5		105.00		
Vivekananda Layout 2nd cross road				Sqm	10456.25	12.72	133004
Basic Rate	12						
Area Weightage @ 6%	0.72						
Total	12.72						

KSRRB M500-19: providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects as per specifications. MORTH specification 30-45mm compacted thickness (Grading II) With 6% bitumen

Respects as per specifications		Cum	
80/100, No. 161/ Item No. 21.22.6/ PWD SR 2018-19			
Roads			
Giridhama nagar Layout			

Giridhama nagar Main Road								
Giridhama nagar RO Plant Road (After giridhama nagar main road)	1	420	7	0.04	117.60			
Cross Road(Near RO Plant)	1	90	5	0.04	18.00			
	1	115	5	0.04	23.00			
Giridhama nagar Layout main road(LHS and RHS)								
Cross Road -1 (LHS)								
Cross Road -2 (LHS)	1	90	4.5	0.04	16.20			
Cross Road -3 (LHS)	1	90	4.5	0.04	16.20			
Cross Road -4 (LHS)	1	90	5	0.04	18.00			
Cross Road -5 (LHS)	1	90	4.5	0.04	16.20			
	1	60	4.5	0.04	10.80			
Cross Road -1 (RHS)								
Cross road-2 (RHS)	1	80	5	0.04	16.00			
sub cross road-1	1	100	5	0.04	20.00			
sub cross road-2	1	40	3.75	0.04	6.00			
	1	55	3.75	0.04	8.25			
Doddabettahalli Badavane main road								
Entry Road Narayana Gowda and Doddabettahalli layout combined	1	420	5	0.04	84.00			
	1	55	5	0.04	11.00			
Vivekananda Layout								
Vivekananda Layout Main road								
Vivekananda Layout 1st cross road	1	170	4	0.04	27.20			
Vivekananda Layout 2nd cross road	1	40	3.5	0.04	5.60			
	1	30	3.5	0.04	4.20			
				Cum	418.25	8699.42	3638532	
Basic Rate	8207							
Area Weightage @ 6%	492.42							
Total	8699.42							

17 KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No 181, I.No. 24.15 of KPWD S.R 2015-16).

				Sqm				
Giridhama nagar Layout								
Giridhama nagar Main Road	2.5	420	0.1		105.00			
Giridhama nagar RO Plant Road (After giridhama nagar main road)	2.5	90	0.1		22.50			
Cross Road(Near RO Plant)	2.5	115	0.1		28.75			
Giridhama nagar Layout main road(LHS and RHS)								
Cross Road -1 (LHS)	2	90	0.1		18.00			
Cross Road -2 (LHS)	2	90	0.1		18.00			
Cross Road -3 (LHS)	2	90	0.1		18.00			
Cross Road -4 (LHS)	2	90	0.1		18.00			
Cross Road -5 (LHS)	2	60	0.1		12.00			
	2	80	0.1		16.00			
Cross Road -1 (RHS)	2	100	0.1		20.00			
Cross road-2 (RHS)	2	40	0.1		8.00			
sub cross road-1	2	55	0.1		11.00			
sub cross road-2								
Doddabettahalli Badavane main road	2.5	420	0.1		105.00			
Entry Road Narayana Gowda and Doddabettahalli layout combined	2	55	0.1		11.00			
Vivekananda Layout								
Vivekananda Layout Main road	2	170	0.1		34.00			
Vivekananda Layout 1st cross road	2	40	0.1		8.00			
Vivekananda Layout 2nd cross road	2	30	0.1		6.00			
				Sqm	459.25	454.74	208839	
Basic Rate	429							
Area Weightage @ 6%	25.74							
Total	454.74							



Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
For 12% Applicable GST								17062872
For 4% KRIDL Charges								2047545
For 1% DPR and PMC Charges								682514.88
Miscellaneous Charges	L/S							200000
								7068.12
								20000000

ate:
 he work spot has been inspected and the work is found necessary
 his estimate is prepared as per PWD SR of 2018-19
 he provisions were made in this estimate are necessary and adequate.
 his works come under B.B.M.P. limits.

Junior/Assistant Engineer

[Signature]
 AE-3

[Signature]
 Executive Engineer
 Yelahanka Satellite Town sub Division

[Signature]
 Assistant Executive Engineer
 Yelahanka Satellite Town sub Division



Administrative Sanction for Rs. 200.00 Lakhs
Two Crore only

is accorded under head P-3744
Gm Nava Nagarathana Ho - Village
grunth (Annexure - 07)

Registered as CE No Subject
 to order is contained in e
 No EE/YNK/60/2019-20 7/11/2019

[Signature]
 Executive Engineer

Technical Sanction
 Accorded For RS 200.00 Lakhs only
 Head of A/C P-3744
 CER NO : 202 Dt: 08.11.2019

[Signature]
 TA CE (YNK)



	Roads
	Drains
	Culvert

Transheight Consultant Pvt Ltd

Consultancy services for preparation of DI
surrounding areas in ward no -03 Yelahanti

Z M Car G
Temporarily c



Map data ©2020 50 m

B.B.M.P-Bruhat Bengaluru Mahanagara Palike

Preparation of DPR for the work of Asphalting to roads at Kaveri layout and
no -03 Yelahanka Satellite Town sub Division

